



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

Joseph E. Kernan  
Governor

Lori F. Kaplan  
Commissioner

December 9, 2003

100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
[www.in.gov/idem](http://www.in.gov/idem)

TO: Interested Parties / Applicant

RE: Cargill AgHorizons / 127-18160-00025

FROM: Paul Dubenetzky  
Chief, Permits Branch  
Office of Air Quality

## Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures  
FNPER-AM.dot 9/16/03

December 9, 2003

Mr. Jim Simpson  
Cargill AgHorizons  
6640 Ship Drive  
Portage, IN 46368

Re: 127-18160  
Third Administrative Amendment to  
FESOP 127-11201-00025

Dear Mr. Simpson:

Cargill AgHorizons was issued a FESOP on July 6, 2000, for the operation of a grain elevator. A letter requesting an administrative amendment was received on October 29, 2003. The change requested is related to the modification of the distribution process to add two (2) completely enclosed screw conveyors. The two (2) new conveyors will re-distribute the product into a set of two (2) existing bushel-bins, instead of another set of (existing) two (2) bushel-bins. The conveyors are completely enclosed, and the increase in emissions is estimated to be negligible. This modification does not increase the production capacity of this plant. The original distribution system will be left intact in case of increased production capacity in future. The control system for this process (DS63) is to remain unchanged as a result of this modification. Pursuant to the provisions of 326 IAC 2-8-10 the permit is hereby administratively amended as follows (~~strike-out~~ to show deletions and **bold** to show additions):

(1) Section A.2 and D.3 are modified as follows:

- (c) Leg elevator intake (#L-32), distributor heads (#TH-1, TH-3, TH-8 & TH-9), **two (2) enclosed screw conveyors, which distribute the product into two (2) 18,000-bushel bins (#BC-211 and BC-212)**, conveyors to silo (#BC-208 & #BC-209), conveyor to steel bin (#BC-213), three (3) surge hoppers, and weigh hopper (#S-14), all referred to as System #3, controlled by baghouse DS63 rated at 99.99% efficiency, installed in May 1981, exhausted through Stack DS 63.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima Moulik, at (800) 451-6027, press 0 and ask for Madhurima Moulik or extension 3-0868, or dial (317) 233-0868.

Sincerely,

Original Signed by Paul Dubenetzky  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

Attachments

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cc: File – Porter County  
U.S. EPA, Region V  
Porter County Health Department  
Northwest Regional Office  
Air Compliance Section Inspector – Rick Massoels  
Compliance Data Section - Karen Nowak  
Administrative and Development  
Technical Support and Modeling - Michele Boner

**FEDERALLY ENFORCEABLE STATE  
OPERATING PERMIT (FESOP)  
OFFICE OF AIR QUALITY**

**Cargill AgHorizons  
Burns Waterway Harbor  
Portage, IN 46368**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

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| Operation Permit No.: F 127-11201-00025                              |  |
| Issued by:<br>Paul Dubenetzky, Branch Chief<br>Office of Air Quality | Issuance Date: July 6, 2000<br><br>Expiration Date: July 6, 2005 |

First Reopening No.: 127-13095  
First Administrative Amendment No.: 127-15038  
Second Administrative Amendment No.: 127-15685  
First Significant Permit Revision No.: 127-16957

Issued on: September 21, 2001  
Issued on: November 27, 2001  
Issued on: April 18, 2002  
Issued on: June 19, 2003

|   |                                 |
|---|---------------------------------|
| Third Administrative Amendment No.: 127-18160   | Pages Modified: 7, 32           |
| Issued by: Original Signed by Paul Dubenetzky<br>Paul Dubenetzky, Branch Chief<br>Office of Air Quality | Issuance Date: December 9, 2003 |

## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-8-3(b)]

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The Permittee owns and operates a grain elevator.

Authorized individual: Mr. Jim Simpson  
Source Address: Burns Waterway Harbor, Portage, IN 46368  
Mailing Address: 6640 Ship Drive, Port of Indiana, Portage, IN 46368  
Phone Number: 219-787-5704  
SIC Code: 5153  
County Location: Porter  
County Status: Nonattainment for ozone  
Attainment for all other criteria pollutants  
Source Status: Federally Enforceable State Operating Permit (FESOP)  
Minor Source, under PSD or Emission Offset Rules;

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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This source consists of the following emission units and pollution control devices:

A grain elevator consisting of:

- (a) Two (2) truck dumps, one (1) rail car dump, and one (1) rail loadout, all referred to as System #1, controlled by baghouse DS61 rated at 99.99% efficiency, installed in May 1981, exhausted through Stack DS 61.
- (b) Leg intakes (#L-30, L-31, L-33, L-34 & L-35), conveyor intake (#BC-226), conveyor intake & discharge (#BC-204), conveyor intake (#BC-225) & discharge (#BC-205), and conveyor intake (#BC-203), all referred to as System #2, controlled by baghouse DS62 rated at 99.99% efficiency, installed in May 1981, exhausted through Stack DS 62.
- (c) Leg elevator intake (#L-32), distributor heads (#TH-1, TH-3, TH-8 & TH-9), two (2) enclosed screw conveyors, which distribute the product into two (2) 18,000-bushel bins (#BC-211 and BC-212), conveyors to silo (#BC-208 & #BC-209), conveyor to steel bin (#BC-213), three (3) surge hoppers, and weigh hopper (#S-14), all referred to as System #3, controlled by baghouse DS63 rated at 99.99% efficiency, installed in May 1981, exhausted through Stack DS 63.
- (d) The Peco loading system and ship loading, all referred to as System #4, controlled by baghouse DS65 rated at 99.99% efficiency, installed in May 1981, exhausted through Stack DS 65.
- (e) Pneumatic dust handling system, referred to as System #5, controlled by baghouse DS64 rated at 99.99% efficiency. The baghouse exhaust is recirculated into the dust handling system.
- (f) Two (2) natural gas fired grain dryers, DR41 and DR43, each equipped with an integral self-cleaning screen and rated at 40 million BTU per hour, installed in May 1981, exhausted through Stack DR41/43.

## SECTION D.3 FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)]: System #3

- (c) Leg elevator intake (#L-32), distributor heads (#TH-1, TH-3, TH-8 & TH-9), two (2) enclosed screw conveyors, which distribute the product into two (2) 18,000-bushel bins (#BC-211 and BC-212), conveyors to silo (#BC-208 & #BC-209), conveyor to steel bin (#BC-213), three (3) surge hoppers, and weigh hopper (#S-14), all referred to as System #3, controlled by baghouse DS63 rated at 99.99% efficiency, installed in May 1981, exhausted through Stack DS 63.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-8-4(1)]

#### D.3.1 326 IAC 12 (40 CFR 60.302, Subpart DD)

Pursuant to the New Source Performance Standards, 326 IAC 12 (40 CFR 60.300, Subpart DD) "Standards of Performance for Grain Elevators:"

emissions shall be limited to 0.01 gr/dscf and 0% opacity.

For an air flow rate of 21,000 actual cubic feet per minute, this condition will limit particulate emissions to 1.79 pounds per hour.

#### D.3.2 PM and PM<sub>10</sub> Emission Limitations [326 IAC 2-2] [326 IAC 2-8-4]

- (a) The PM emissions from System #3 exhausted through Stack DS 63 shall not exceed 1.79 pounds of PM per hour.
- (b) The PM<sub>10</sub> emissions from System #3 exhausted through Stack DS 63 shall not exceed 1.79 pounds of PM<sub>10</sub> per hour.
- (c) Compliance with these PM and PM<sub>10</sub> emission limitations combined with those specified in Conditions D.1.2, D.2.2, D.4.2, D.5.2, D.6.1 and D.7.1 renders the requirements of 326 IAC 2-2 not applicable and also satisfies the requirements of 326 IAC 2-8-4 for PM<sub>10</sub>.

#### D.3.3 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2(c), the particulate matter emissions shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

For a process weight rate of 120 tons per hour, the equation states an emission limit of 53.1 pounds of particulate matter per hour.

#### D.3.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and control devices.